

J. MARKEY.

ASH SIFTER.

APPLICATION FILED AUG. 28, 1908.

931,446.

Patented Aug. 17, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

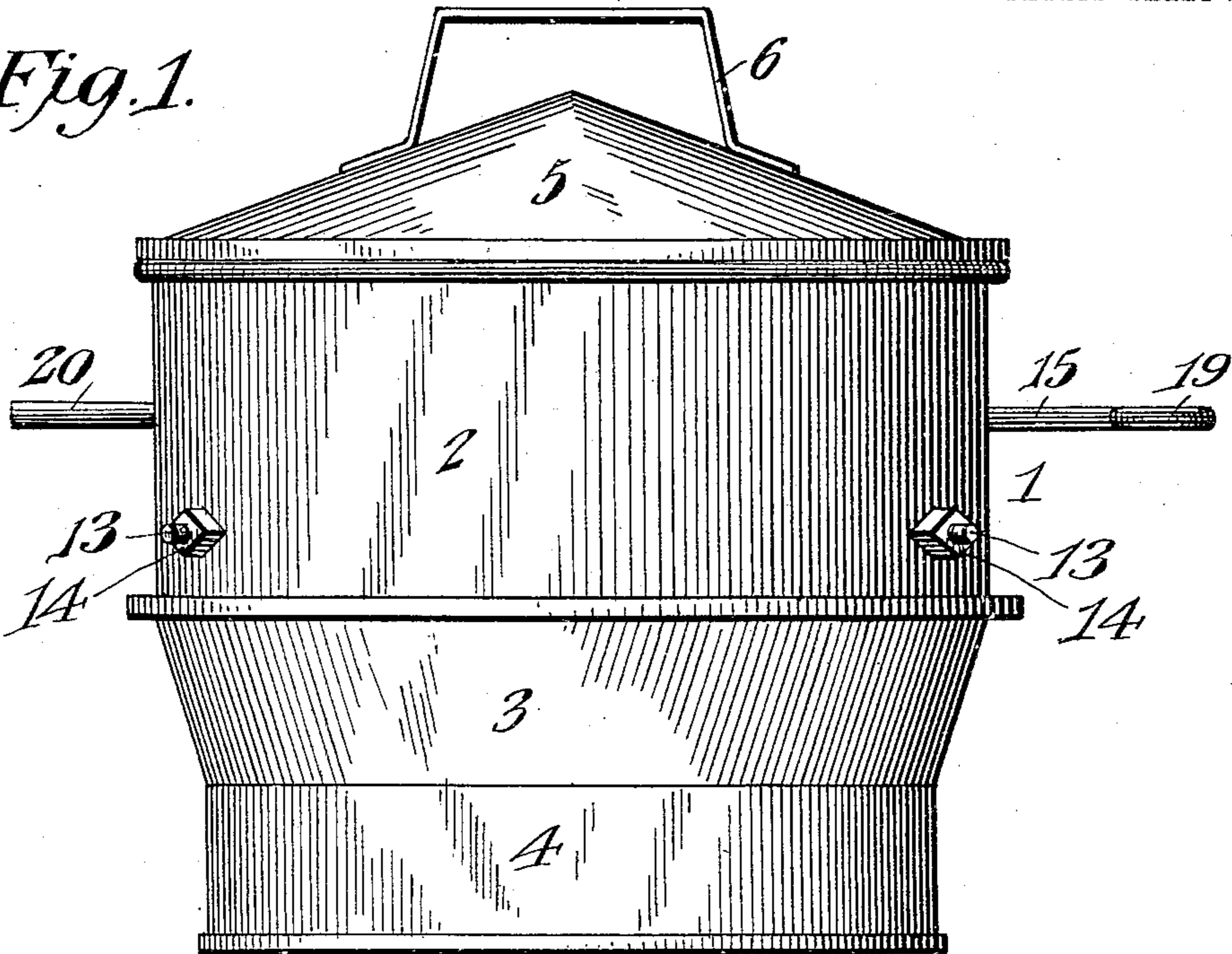
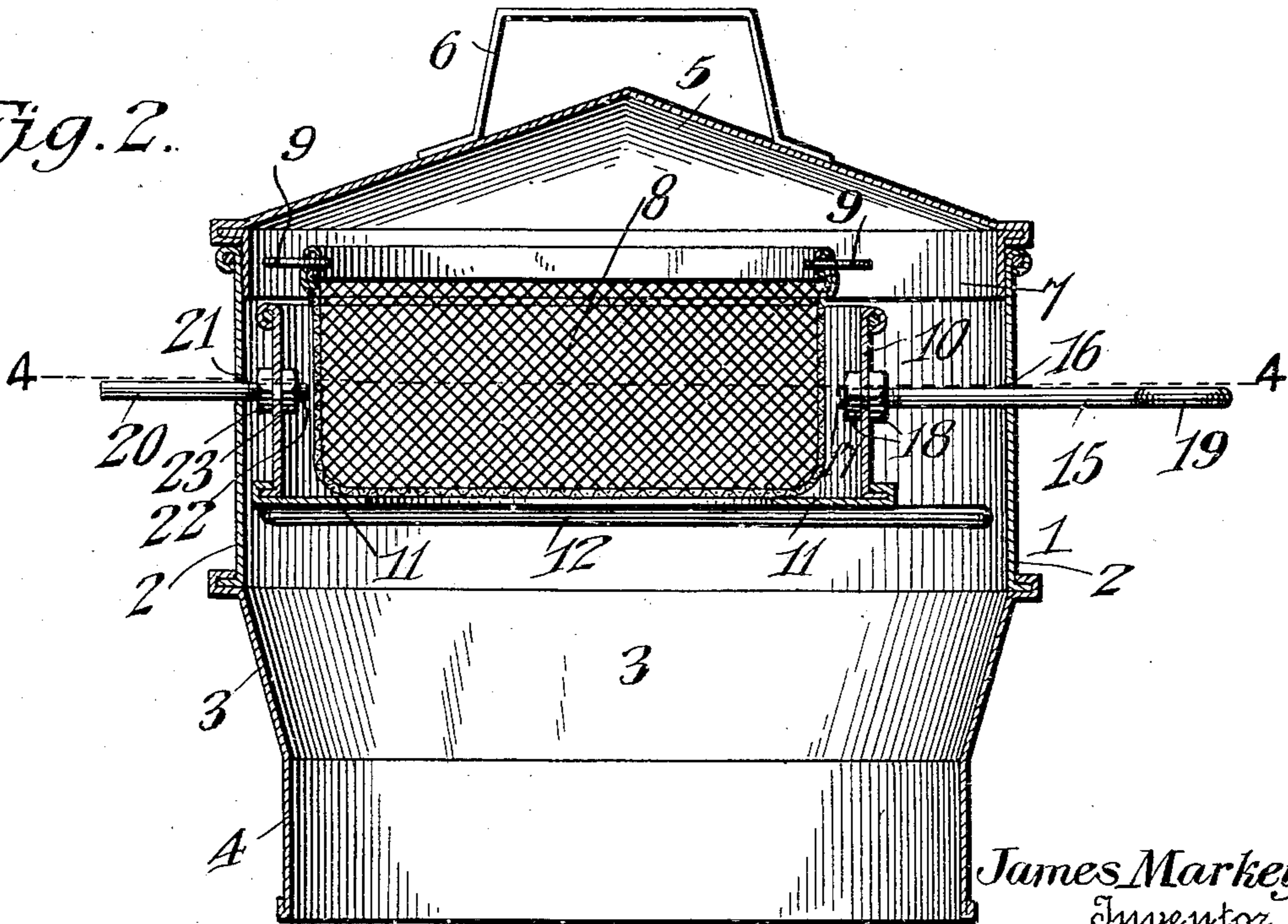


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

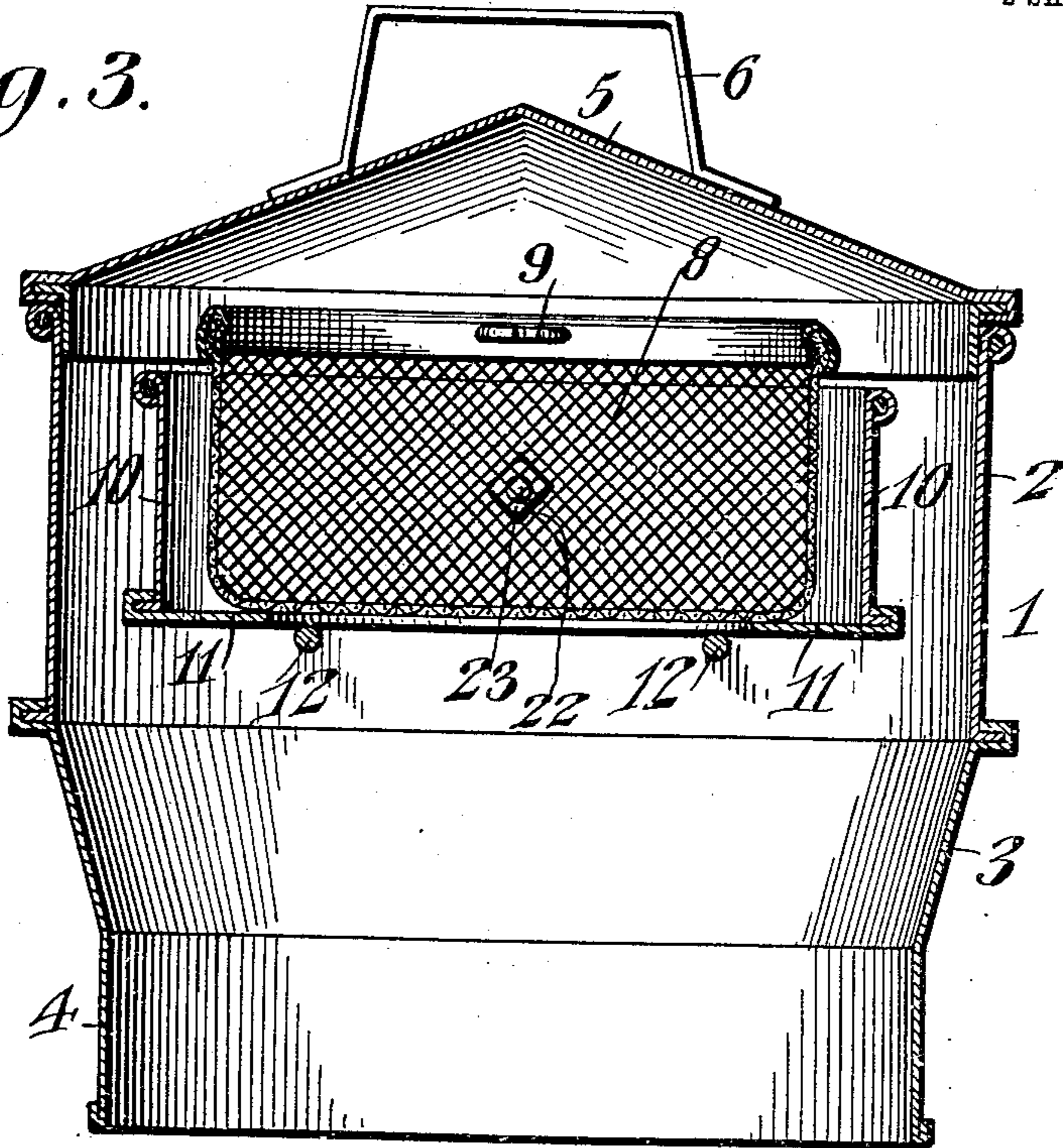
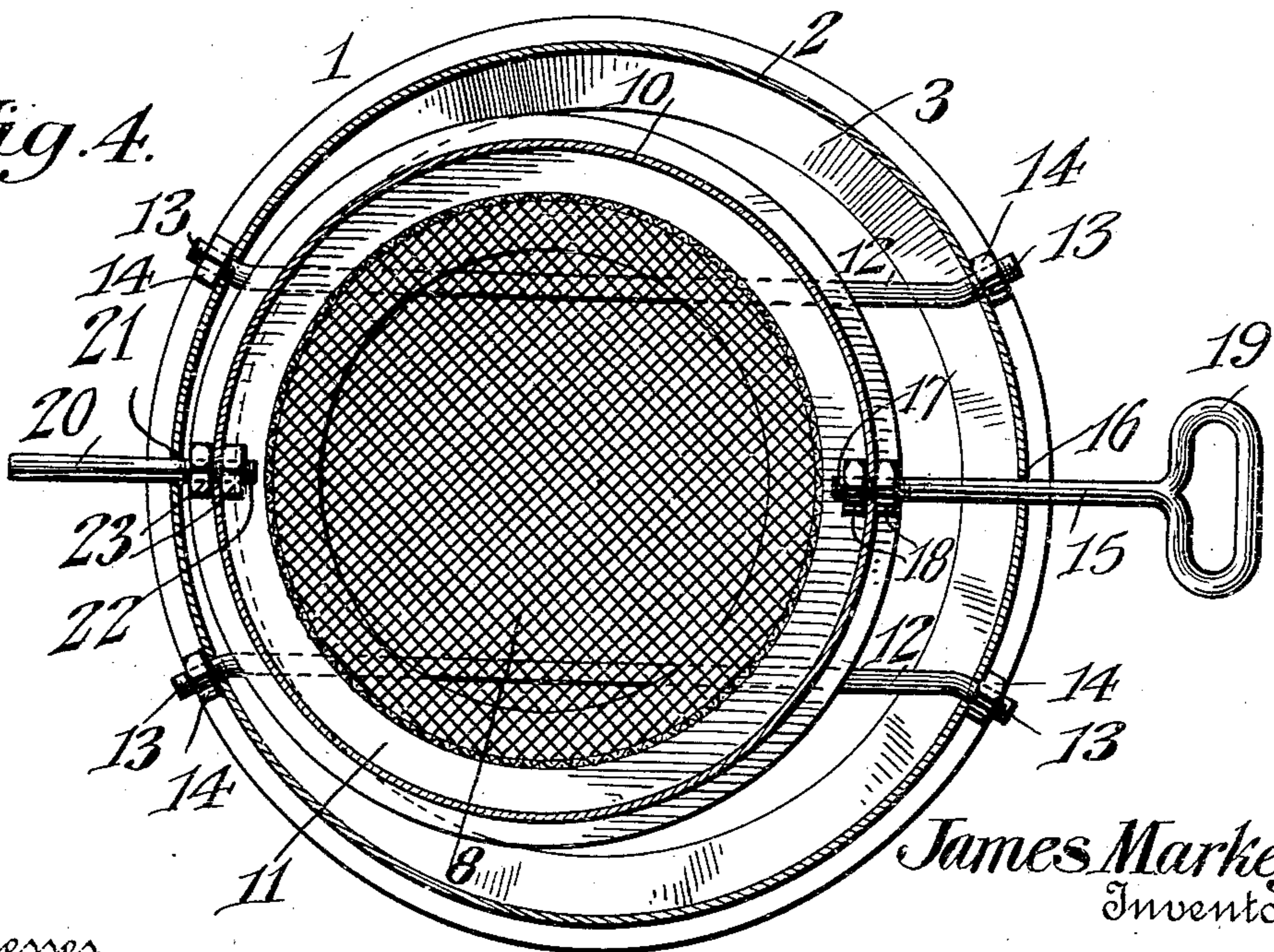


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES MARKEY, OF WOLLASTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO MEYER WINER,
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ASH-SIFTER.

No. 931,446.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed August 28, 1908. Serial No. 450,738.

To all whom it may concern:

Be it known that I, JAMES MARKEY, a citizen of the United States, residing at Wollaston, in the county of Norfolk and State of Massachusetts, have invented a new and useful Ash-Sifter, of which the following is a specification.

The invention relates to improvements in ash sifters.

The object of the present invention is to improve the construction of ash sifters, and to provide a simple and inexpensive ash sifter, capable of enabling the ashes to be quickly and effectively sifted without emitting any dust and without soiling the hands or clothes.

A further object of the invention is to provide an ash sifter of this character in which the sieve may be readily removed with the cinders therein after the sifting operation has been completed.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is an elevation of an ash sifter, constructed in accordance with this invention. Fig. 2 is a central vertical sectional view. Fig. 3 is a similar view, taken at right angles to Fig. 2. Fig. 4 is a horizontal sectional view on the line 4—4 of Fig. 2.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a sheet metal casing of substantially cylindrical form, composed of a cylindrical upper section 2 and a lower section having a tapered upper portion 3 and a cylindrical lower portion 4, which is of a size to fit over an ordinary metallic ash can, or a barrel or other receptacle for the dust sifted from the ashes. The casing, which may be of any desired construction, is equipped with a removable cover 5 having a suitable handle 6 and provided with a depending annular flange 7, which fits within the

upper end of the casing and forms a dust tight joint.

The ashes to be sifted are placed within a removable sieve 8, consisting of a woven wire basket or receptacle, having its upper edges reinforced by a metallic rim and provided at opposite sides with handles 9 and supported by a reciprocable sieve carrier 10. The sieve carrier 10, which is cylindrical, is constructed of sheet metal and is provided with an inwardly extending horizontal supporting flange 11, which receives the sieve. The bottom of the sieve carrier is open within the space inclosed by the annular supporting flange 11, which rests upon a pair of horizontal rods 12, extending across the casing and having angularly bent threaded terminals 13, piercing the casing and provided with nuts 14, engaging the outside of the casing at the front and back thereof, as clearly illustrated in Fig. 4 of the drawings. The rods brace the casing, and sustain the weight of the reciprocable sieve carrier and the sieve.

The sieve carrier is provided at one side with a combined operating and guide rod 15, disposed horizontally and extending through a perforation 16 of the front of the casing, and having a threaded inner end 17, piercing the sieve carrier and provided with inner and outer nuts 18, which engage the inner and outer faces of the front wall of the sieve carrier, as clearly shown in Figs. 2 and 4. The operating rod is provided at its front end with a handle 19, preferably consisting of a loop. The rear portion of the carrier is equipped with a horizontal guide rod 20, extending through a perforation 21 of the back of the casing and provided with an inner threaded end 22, receiving nuts 23, which engage the inner and outer faces of the rear wall of the carrier. The front and rear guide rods, which extend in the same general direction as the horizontal supporting rods, are located at a point intermediate of the vertical planes of the said supporting rods, and they permanently secure the carrier within the casing. The front and rear guide rods also retain the carrier on the supporting rods during the reciprocation of the carrier, which effects a sifting of the ashes retained within the sieve.

The sieve is removable to receive the ashes,

and as the ash sifter is dust-proof at the top and is designed to fit snugly the can, or other receptacle on which the casing is placed, the operation of sifting ashes is effected without emitting any dust, and after the operation has been completed, the cinders may be wet down before removing the sieve. The sieve is supported at the bottom only, and the screen side walls of the basket are spaced from the side walls of the carrier so that both the bottom and the side walls of the sieve are utilized for sifting the ashes. The superfluous water will flow through the sieve into the metallic can or receptacle for the dust.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

An ash sifter including a substantially cylindrical casing provided with a cover, horizontal supporting rods arranged in spaced relation with the opposite sides of the casing and secured at their terminals to the same at the front and back of the casing,

a substantially cylindrical sieve carrier of less diameter than the casing and supported upon the said rods and open at the bottom, front and rear horizontal guide rods extending in the same general direction as the supporting rods and located above the same at a point intermediate of the vertical planes of the said supporting rods and piercing the front and back of the casing, said guide rods retaining the carrier on the supporting rods and permanently securing the former within the casing, the front guide rod being provided with a handle and constituting an operating rod for reciprocating the carrier, and a removable sieve carried by the said carrier.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES MARKEY.

Witnesses:

CLARENCE BURGIN,
NELLIE L. REID.